

VERSION DESCRIPTION DOCUMENT FOR THE ACQUISITION MANAGEMENT SYSTEM (AMS)

Release 7.1.1

PrISMS Contract

December 1999



National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, AL 35812

**VERSION DESCRIPTION DOCUMENT
FOR THE
ACQUISITION MANAGEMENT SYSTEM (AMS)
RELEASE 7.1.1**

Submitted by

Charmaine Absher
Technical Area Lead

Reviewed by
CSC

Steve Rowell
Agencywide IRM, Property and
Procurement Systems

Jim Cofer
Configuration Management

Hector Garcia
Agencywide IRM

Richard Bishop
DBA

Prepared by

Computer Sciences Corporation, Contract NAS8-60000

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

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Approved by

Sheila Fogle
Consolidation Center Project Manager

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
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1.0 INTRODUCTION

This Version Description Document (VDD) describes the changes and installation procedures for Release 7.1.1 of the Acquisition Management System (AMS). This section identifies the release, describes its purpose, defines its scope, and identifies its contact points.

1.1 IDENTIFICATION OF THE RELEASE

This software release is identified as AMS, Release 7.1.1 and has an effective release date of December 3, 1999.

1.2 PURPOSE OF THE RELEASE

This release implements modifications necessitated by the following Change Control Requests (CCR):

RC 1238 – Modify 507 edits for Hubzone Program and Hubzone Small Business Concern Indicator.

RC 1239 – Provide a Metrics Report.

RC 1240 – Modify 507 edits for Small Disadvantaged Business Programs.

1.3 SCOPE

This VDD provides the functional and technical user of AMS with information regarding the contents, status, and structure of Release 7.1.1, including the following:

- Changes implemented since Release 7.1.0.
- Validation procedures to ensure the reliability of release changes.
- References to other documentation affected by this release.
- Detailed software installation instructions.

No waivers are associated with this release.

1.4 CONTACT POINTS

Sustaining Engineering for AMS is provided through the Consolidation Center (CC) located at Marshall Space Flight Center (MSFC). Questions regarding the functional and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (Identify yourself as SESAAS & AMS.)

Telephone: (256) 544-6673

Email: charmaine.absher@msfc.nasa.gov

FAX: (256) 544-1836

2.0 FUNCTIONAL INFORMATION

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

2.1 FUNCTIONAL CHANGES

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Instructions, describes all Software PREDICT and SYSERR changes related to this release. Appendix E contains sample JCL that will be needed for release installation.

2.2 FUNCTIONAL INTERFACES

This release has no functional impact on interfaces with any SESAAS (Sustaining Engineering Support for Agencywide Administrative Systems) application.

2.3 CRITICAL ISSUES

There are no critical issues associated with this release.

2.4 AFFECTED DOCUMENTS

No documents are affected by this release.

2.5 APPLICATION SYSTEM ADMINISTRATION

There are no application system administration changes associated with this release.

3.0 TECHNICAL INFORMATION

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

3.1 TECHNICAL SYSTEM INTERFACES

There are no technical systems interface issues with this release.

3.2 DATA DICTIONARY CHANGES

There are no data dictionary changes in this release.

3.3 SOFTWARE OBJECT CHANGES

Modules affected by this release are included in Appendix D, Section 2.2.

3.4 DATABASE ADMINISTRATION

This section describes the database administration activities for installation of this release.

3.4.1 Release Dataset Names

Refer to Appendix D, Introduction section, for the release dataset names.

3.4.2 Inventory of Objects

Refer to Appendix D, Paragraph 2.1, for an inventory of Natural object types.

3.4.3 Storage Considerations

The changes represented by this release should not affect storage requirements.

3.4.4 Installation Procedures

Refer to Appendix D, Installation Instructions for AMS Software Release 7.1.1 for detailed software installation procedures.

3.5 OPERATIONAL PREPARATION

Refer to the procedure described in Appendix D for assistance in preparing for proper installation and operational use of this release.

4.0 KNOWN AND OPEN PROBLEMS

There are no known or open problems related to this release.

APPENDIX A

ABBREVIATIONS AND ACRONYMS

ABBREVIATIONS AND ACRONYMS

Acquisition Management System

Consolidation Center

CCR

DR Discrepancy Report

Electronic Facsimile Transmission

JCL

MSFC Marshall Space Flight Center

NASA Automated Data Processing (ADP) Consolidation Center

NASA

RC Requirements Change

SESAAS Sustaining Engineering Support for Agencywide Administrative Systems

VDD Version Description Document

APPENDIX B

GLOSSARY

GLOSSARY

Database Administration

Responsibility for maintaining the physical database environment.

Implementation

The process by which a NASA site installs a software release and places it into operational use.

Operational Preparation

Preparation by a NASA site for installation and use of a release.

System Administration

Responsibility for administrative functions such as application security and table data maintenance associated with an application.

APPENDIX C
FUNCTIONAL CHANGE VALIDATION
PROCEDURES

FUNCTIONAL CHANGE VALIDATION PROCEDURES

Index of validation procedures for changes in this release.

Section	CCR	Title
1.0	001238	Modify 507 edits for Hubzone Program and Hubzone Small Business Concern Indicator
	001240	Modify 507 edits for Small Disadvantaged Business Programs
2.0	001239	Provide a Metrics Report

Details for the validation procedures are listed below.

1. RC Number 1238 and RC Number 1240

- Modify 507 edits for Hubzone Program and Hubzone Small Business Concern Indicator.
- Modify 507 edits for Small Disadvantaged Business Programs.

Description of Change

- Current edits on Table 50 are not correct for some situations. Some edits need to be modified.
- Edits for Small Disadvantaged Business Programs are in conflict with edits for Small Business Programs that are not disadvantaged. Edits for Other Preference Program were affected and changed accordingly.

A list of these new/revised 507 edits is included below the test procedure.

Functional Impact

There is no functional impact as a result of this CCR.

NOTICE:

Prior to executing the following test procedure, you must run the adhoc program CCR1236J to add/modify records on Table 50. Sample JCL for this program is provided in Appendix E. After successfully executing the adhoc program and the following validation procedure in your PRODUCTION environment, delete the adhoc program.

Validation Procedures

The requirement changes for the edits are listed below. See Appendix C in the AMS 7.1.0 VDD for validation examples to test these edits.

- Hubzone Program using PPC values FL, FO, FP, FQ, FU, FZ, KL, KO, KP, KQ, KU, KV, KZ, NL, NO, NP, NQ, NU, NV, and NZ should allow A, B, C, D, or E values.
- Hubzone Small Business Concern using PPC values KH, KR, KT, NH, NR, and NT should allow N or a blank value.
- Percent Performance Based using PPC values AY, BY, FY, and KY should allow values A, B, C, D, E, F, G, H, J, K, L, N, or a blank value.
- Small Disadvantaged Business Programs Code using PPC values PS and PF should allow values A, B, or F.
- Small Disadvantaged Business Programs Code using PPC values of FF and GF should allow values C and F.
- Other Preference Program using PPC values AE, AF, AL, AO, AP, AQ, AU, AV, AX, AZ, BE, BF, BL, BO, BP, BQ, BU, BV, BX, BZ, DP, DQ, DU, DV, and DZ should require only the value D.
- Other Preference Program using PPC value GF should allow the values of B, E, or a blank.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
CCR1236J	Adhoc to Update Table 50	PGM

The following listing was prepared to assist you in testing CCR1238 and CCR1240. It contains the modified 507 edits. All edits are formatted as they appear in Table 50:

KEY	RESULT
=====	=====
14 AY45B	O12B00A B C D E F G H J K L N
14 BY45B	O12B00A B C D E F G H J K L N
14 FY45B	O12B00A B C D E F G H J K L N
14 KY45B	O12B00A B C D E F G H J K L N
15 2345B	O12B00A B C D E F G H J K L N
15 2445B	O12B00A B C D E F G H J K L N
14 KH32A	O01N00N
14 KR32A	O01N00N
14 KT32A	O01N00N
14 NH32A	O01N00N
14 NR32A	O01N00N
14 NT32A	O01N00N
14 2FL34A	R05N00A B C D E
14 2FO34A	R05N00A B C D E
14 2FP34A	R05N00A B C D E
14 2FQ34A	R05N00A B C D E
14 2FU34A	R05N00A B C D E
14 2FV34A	R05N00A B C D E
14 2FZ34A	R05N00A B C D E
14 1KL34A	R05N00A B C D E
14 2KL34A	R05N00A B C D E
14 2KO34A	R05N00A B C D E
14 2KP34A	R05N00A B C D E
14 2KQ34A	R05N00A B C D E
14 2KU34A	R05N00A B C D E
14 2KV34A	R05N00A B C D E
14 2KZ34A	R05N00A B C D E
14 2NL34A	R05N00A B C D E
14 2NO34A	R05N00A B C D E
14 2NP34A	R05N00A B C D E
14 2NQ34A	R05N00A B C D E
14 2NU34A	R05N00A B C D E
14 2NV34A	R05N00A B C D E
14 2NZ34A	R05N00A B C D E
34A A 29	R01N00L
14 2FF34B	R02N00C F
14 2GF34B	R02N00C F
14 2PF34B	R03N00A B F
14 3PF34B	R03N00A B F
14 4PF34B	R03N00A B F
14 2PS34B	R03N00A B F
14 3PS34B	R03N00A B F
14 4PS34B	R03N00A B F
14 2GF34	O02N00B E
14 2AE34	R01N00D
14 2AF34	R01N00D

KEY	RESULT
=====	=====
14 2AL34	R01N00D
14 2AO34	R01N00D
14 2AP34	R01N00D
14 2AQ34	R01N00D
14 2AU34	R01N00D
14 2AV34	R01N00D
14 2AX34	R01N00D
14 2AZ34	R01N00D
14 2BE34	R01N00D
14 2BF34	R01N00D
14 2BL34	R01N00D
14 2BO34	R01N00D
14 2BP34	R01N00D
14 2BQ34	R01N00D
14 2BU34	R01N00D
14 2BV34	R01N00D
14 2BX34	R01N00D
14 2BZ34	R01N00D
14 2DP34	R01N00D
14 2DQ34	R01N00D
14 2DU34	R01N00D
14 2DV34	R01N00D
14 2DZ34	R01N00D

2. RC Number 1239

Provide a Metrics Report.

Description of Change

A report is needed to determine the number of all active records and records closed within a specified period of time. These statistics will be used for metrics reporting requirements and will include the following procurement entities: Purchase Requests, Purchase Orders, Contracts, Delivery Orders, Grants, Bid Lists, Vendors, and Commodities.

Functional Impact

The System Administration Menu was modified to include the option for the Metrics Report.

Validation Procedures

- Verify the version number on the Banner Screen has been changed to 7.1.1.
- Run the AMS Metrics Report.
 - ♦ From the Main Menu, choose option 8 – Tables.
 - ♦ From the Tables System Menu, choose option 9 – System Administration.
 - ♦ From the System Administration Menu, choose option 4 – AMS Metrics Report.
 - ♦ Enter a FROM DATE and a TO DATE. Press enter.

IBM 3270 - [MIS3090]

QGM12-01 NASA ACQUISITION MANAGEMENT SYSTEM DATE: 1999/11/11
AMS METRICS REPORT TIME: 15:01:05.8

THIS REPORT DISPLAYS ALL ACTIVE RECORDS AND RECORDS CLOSED
WITHIN THE SPECIFIED DATE RANGE.

ENTER DATE RANGE
FROM DATE (YYYYMMDD): 0
TO DATE (YYYYMMDD): 0

	PROGRESS STATUS
PURCHASE REQUEST	_____
CONTRACTS	_____
PURCHASE ORDERS	_____
GRANTS	_____
VENDORS	_____
COMMODITIES	_____
BID LISTS	_____
DELIVERY ORDERS	_____

OPTION: _ M=MENU H=HELP E=END

Ready 3:00pm Num Ins

- ♦ An example of the AMS METRICS REPORT is displayed below:



<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
QGM00	Session Initialization	PGM
QGM12	AMS Metrics Report	PGM
QGU00	System Administration Master Menu	PGM

APPENDIX D
INSTALLATION INSTRUCTIONS
FOR AMS SOFTWARE RELEASE 7.1.1

INSTALLATION INSTRUCTIONS AND CHECKLIST FOR AMS SOFTWARE RELEASE 7.1.1

Introduction

Release information:

System Name: AMS
Release Number: 7.1.1
Release Date: December 3, 1999
Effective Date: December 3, 1999

The following datasets are located on the Central Distribution Facility.

- AIMS.AMS.PROD.R711.R1299.DOC
- AIMS.AMS.PROD.R711.R1299.SRC
- AIMS.AMS.PROD.R711.R1299.TBL050

In case of installation problems, contact the NACC Technical Services Center (Identify yourself as SESAAS & AMS.)

Telephone: (256) 544-6673
Email: charmaine.absher@msfc.nasa.gov
FAX: (256) 544-1836

Installation Sequence

The sequence in which the installation of this release should occur is provided in the following list. A checklist is provided in Section 9.0 to assist in tracking the installation of this release.

- 1.0 Back Up Existing Data
- 2.0 Copy Source/Object Code
- 3.0 Pre-Predict Data Conversion
- 4.0 Install Predict
- 5.0 Catalog Source Code
- 6.0 Post-Predict Data Conversion
- 7.0 Perform Release-Specific Procedures
- 8.0 Local JCL Mods
- 9.0 Installation Checklist

1.0 Back Up Existing Data

It is advisable to back up all AMS files as a precautionary measure prior to installation.

2.0 Copy Source/Object Code

2.1 Copy Source Code

Load the AMS source library from dataset AIMS.AMS.PROD.R711.R1299.SRC. The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library LAMSPROD, replacing any existing programs of the same name. The source module counts included in this release are listed below:

Natural Source Modules by type	
GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	0
MAPS	0
HELP ROUTINES	0
SUBROUTINES	0
SUBPROGRAMS	0
PROGRAMS	4
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
Total:	4

2.2 List of Source Code Modifications

The following are the modules added, modified and deleted.

Added Modules:

1. QGM12	AMS Metrics Report	Program
----------	--------------------	---------

Changed Modules:

1. QGM00	Session Initialization	Program
2. QGU00	System Administration Master Menu	Program

Deleted Modules:

There are no modules deleted in this release.

The following program was delivered again with this release:

1. CCR1236J	Adhoc program to add or update Table 50 with the 507 edits in the dataset AIMS.AMS.PROD.R711.R1299.TBL050.
-------------	--

(This program should be deleted after you successfully install this release in production.)

2.3 Copy Object Modules

Not applicable with this release.

3.0 Pre-Predict Data Conversion

Not applicable with this release.

4.0 Install Predict

Not applicable with this release.

5.0 Catalog Source Code

Run a batch job to catalog (CATALL) all modules in the AMS or other named library. It is not necessary to catalog the Global Data Area. The SESAAS Batch standard parameters should be used for the compile.

After all objects are compiled, the AMS application will run under the SESAAS On-line standard parameter.

6.0 Post-Predict Data Conversion

Execute, in batch, adhoc program CCR1236J before performing any validation testing. See Appendix E for JCL example.

7.0 Perform Release-Specific Procedures

There are no Release-Specific Procedures with this release.

8.0 Local JCL Mods

There are no local JCL mods with this release.

9.0 Installation Checklist

- 1.0 Back Up Existing Data
- 2.1 Copy Source Code
- 5.0 Catalog Source Code
- 6.0 Post-Predict Data Conversion

APPENDIX E
SAMPLE JOB CONTROL LANGUAGE FOR ADHOC
PROGRAM IN RELEASE 7.1.1

SAMPLE JOB CONTROL LANGUAGE FOR ADHOC PROGRAM IN RELEASE 7.1.1

Sample JCL is listed for the adhoc in Release 7.1.1.

1. Adhoc CCR1236J

```
*****  ***** TOP OF DATA *****
000100 //CCR1236J   JOB (MSIRMAMS0004),AMS711,
000200 //           CLASS=D,MSGCLASS=A,
000300 //           NOTIFY=XXXXX
000400 //*****
000500 /*
000600 //STEP01      EXEC N01Z,PRM='IM=D,MT=99999'
000700 //CMWKF01    DD DSN=AIMS.AMS.R711.R1299.TBL050,
000800 //           DISP=SHR,DCB=(RECFM=VB,LRECL=256,BLKSIZE=6233),
000900 //           UNIT=SYSDA
001000 //CMPRINT    DD SYSOUT=(R),DEST=XXXXX
001100 //CMSYNIN     DD *
001200 AMDEVL,XXXXX,XXXXX
001300 CCR1236J
001400 FIN
001500 /*
001600 //
*****  ***** BOTTOM OF DATA *****
```